

### Abstract of the Disclosure

In order to provide a liquid crystal projector that prevents the image burn-in phenomenon or image sticking in a liquid crystal projector of ferroelectric liquid crystal, and moreover, that provides a bright projected  
5 image, the polarization directions of linearly polarized light beams that are irradiated upon a liquid crystal display device are switched in synchronization with the alternate reversal of the polarity of the liquid crystal display device, whereby a negative image, which could not be displayed in the prior art, can be converted to a positive image and displayed. In addition, in order to  
10 provide a liquid crystal projector that presents a bright projected image while preventing the burn-in phenomenon in a liquid crystal display device of ferroelectric liquid crystal, and further, that can be used in displaying a stereoscopic image, a P-polarized light beam and an S-polarized light beam are alternately generated, and an S-polarized light beam image light and a P-  
15 polarized light beam image light are produced from two liquid crystal display devices and alternately projected. When displaying a stereoscopic image, the left-eye image light of the S-polarized light beam and the right-eye image light of the P-polarized light beam are alternately produced and alternately projected.